


**CALIFORNIA OFFICE OF EMERGENCY SERVICES**

Fire and Rescue Division  
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## Fire & Rescue Division Special Operations Unit – Hazardous Materials

### HAZ-MAT Company Resource Types – Quick Reference:

Haz-Mat Company resources are “typed” based upon an identified operational capability. Three levels (tiers) of Haz-Mat Company operational capability have been identified. These levels are based upon an increasing capability of intervention with an identified minimum amount of training and equipment.

	Type 1	Type 2	Type 3
<b>Type of Incident:</b>	<ul style="list-style-type: none"> <li>Known Industrial Chemicals</li> <li>Unknown Industrial Chemicals</li> <li>WMD / CBRN Substances</li> </ul>	<ul style="list-style-type: none"> <li>Known Industrial Chemicals</li> <li>Unknown Industrial Chemicals</li> </ul>	<ul style="list-style-type: none"> <li>Known Industrial Chemicals</li> </ul>
<b>Air Monitoring:</b>	<ul style="list-style-type: none"> <li>Combustible Gas</li> <li>Carbon Monoxide</li> <li>Hydrogen Sulfide</li> <li>Specialty Gases</li> <li>WMD/CBRN</li> </ul>	<ul style="list-style-type: none"> <li>Combustible Gas</li> <li>Carbon Monoxide</li> <li>Hydrogen Sulfide</li> <li>Specialty Gases</li> </ul>	<ul style="list-style-type: none"> <li>Combustible Gas</li> <li>Carbon Monoxide</li> <li>Hydrogen Sulfide</li> </ul>
<b>Chemical Protective Ensembles:</b>	<ul style="list-style-type: none"> <li>Liquid-Splash Protective</li> <li>Vapor Protective</li> <li>WMD/CBRN Protective</li> </ul>	<ul style="list-style-type: none"> <li>Liquid-Splash Protective</li> <li>Vapor Protective</li> <li>Hi-Temp. Protective Gloves</li> </ul>	<ul style="list-style-type: none"> <li>Liquid-Splash Protective</li> </ul>
<b>Ancillary Protective Clothing:</b>	<ul style="list-style-type: none"> <li>Hi-Temperature Gloves</li> <li>Cryogenic Protective Gloves</li> <li>WMD/CBRN Protective Gloves</li> <li>Radiological Protective Gloves</li> </ul>	<ul style="list-style-type: none"> <li>Hi-Temperature Gloves</li> <li>Cryogenic Protective Gloves</li> </ul>	
<b>Radiation Monitoring:</b>	<ul style="list-style-type: none"> <li>Gamma</li> <li>Beta</li> <li>Alpha</li> <li>Radionuclide</li> </ul>	<ul style="list-style-type: none"> <li>Gamma</li> <li>Beta</li> </ul>	<ul style="list-style-type: none"> <li>Gamma</li> <li>Beta</li> </ul>
<b>Technical Reference:</b>	<ul style="list-style-type: none"> <li>Printed &amp; Electronic</li> <li>Plume Air Modeling, Overlays</li> <li>WMD/CBRN Sources</li> </ul>	<ul style="list-style-type: none"> <li>Printed &amp; Electronic</li> <li>Plume Air Modeling, Overlays</li> </ul>	<ul style="list-style-type: none"> <li>Printed &amp; Electronic</li> </ul>
<b>Intervention Capability:</b>	<ul style="list-style-type: none"> <li>Dyking, Absorption</li> <li>Liquid &amp; Solid Plugging, Patch</li> <li>Vapor Leak Plugging, Patch</li> <li>Neutralization</li> <li>WMD/CBRN Containment</li> </ul>	<ul style="list-style-type: none"> <li>Dyking, Absorption</li> <li>Liquid &amp; Solid Plugging, Patch</li> <li>Vapor Leak Plugging, Patch</li> <li>Neutralization</li> </ul>	<ul style="list-style-type: none"> <li>Dyking, Absorption</li> <li>Liquid &amp; Solid Plugging, Patch</li> </ul>
<b>Decontamination:</b>	<ul style="list-style-type: none"> <li>Known Industrial Chemicals</li> <li>Unknown Industrial Chemicals</li> <li>WMD / CBRN Substances</li> </ul>	<ul style="list-style-type: none"> <li>Known Industrial Chemicals</li> <li>Unknown Industrial Chemicals</li> </ul>	<ul style="list-style-type: none"> <li>Known Industrial Chemicals</li> </ul>
<b>Training:</b>	<ul style="list-style-type: none"> <li>Hazardous Materials Specialist (240 hour)</li> <li>Terrorist Technician/Specialist (16 hour)</li> </ul>	<ul style="list-style-type: none"> <li>Hazardous Materials Specialist (240 hour)</li> </ul>	<ul style="list-style-type: none"> <li>Hazardous Materials Technician (160 hour)</li> </ul>